WHAT IS CLAIMED IS

1. A transmission–reception method for a wireless device of an electronic equipment, wherein a control circuit of the said transmission-reception device executes a signal reception routine according to the steps below:

first, receiving signals outputted from the electronic equipment by a control circuit of the said transmission-reception device;

utilizing a decryption device of an encryption-decryption module by the said control circuit to encrypt the said signals based on a preset identification code assigned to the said transmission-reception device with respect to the said electronic equipment;

sending the said signals by a wireless transceiver module to a remote transmission-reception device of an identical structure after the completion of encrypting the said signals.

2. As mentioned in Claim 1 of the method, wherein the said control circuit of the said transmission-reception device executes a signal reception routine according to the steps below:

first, determining whether the said wireless transceiver module has received an acknowledgment signal.

decrypting the said acknowledgment signal by the said decryption device, if the said wireless transceiver module has received an acknowledgment signal;

determining whether the identification code of the said decrypted acknowledgment signal matches the identification code preset on the said transmission-reception device.

sending the decrypted acknowledgment signal to the said electronic equipment assigned the said identification code for further processing, if the identification code of the

said decrypted acknowledgment signal matches the identification code preset on the said transmission-reception device.

3. As mentioned in Claim 2 of the method, further comprising the step of ending up the said routine while determining that the said decrypted acknowledgment signal doesn't match the identification code preset on the said transmission-reception device.

4. As mentioned in Claim 1 of the method, wherein the said control circuit is wired to a communications plug and the other end of the said communications plug is connected to the said electronic equipment to thereby enable two-way signal exchanges between the said transmission-reception device and the said electronic equipment via the said communications plug.

5. As mentioned in Claim 4 the method, wherein the other end of the said communications plug wired to the said control circuit is in connection with the terminals of a communications card and the said communications card has a connector at its opposite end.

6. As mentioned in Claim 1 of the method, wherein the said wireless transmission-reception device has an identification code selector button and the said identification code selector button is wired to the said control circuit.

7. As mentioned in Claim 1 of the method, wherein the said wireless transmission-reception device is equipped with a minimum of one indicator light; the said indicator light is wired to the said control circuit such that the said control circuit sends different signals to the said indicator light and thereby directs the flashing characteristics of the said indicator light.

8. As mentioned in Claim 7 of the method, wherein the said wireless transmission-

reception device is equipped with a test button; the said test button is wired to the said control circuit such that when the said test button is depressed, the said control circuit generates different signals that are sent to the said indicator light and utilized to govern the flashing characteristics of the said indicator light.